

S6 Table. Resistance estimates dependent on organism's resistance characteristics.

Cumulative antibiograms were calculated with data stratification according to organism's resistance characteristics regarding a first-line key antimicrobial (oxacillin for *Staphylococcus aureus* and cefotaxime for *Escherichia coli* and *Klebsiella pneumoniae*), as detailed in the respective results and discussion section of the manuscript. In addition to the resistance rates for selected species/antibiotic combinations and the total number (n) of isolates included, the difference in resistance estimates between the different calculation approaches is shown (highlighted in light grey, with differences ≥5 percentage points in bold).

		<i>S. aureus</i>	Resistance rate and difference in resistance estimates, respectively (in %)							
			OXA	GEN	ERY	CLI	LVX	FOF	VAN	RIF
2013	All isolates, n=4897	30.5	2.7	33.2	32.2	37.9	1.3	0.0	0.8	
	OXA-resistant isolates, n=1514	100.0	3.9	76.3	75.9	94.1	2.8	0.0	2.0	
	OXA-susceptible isolates, n=3451	0.0	2.0	14.3	13.0	13.4	0.6	0.0	0.3	
	“OXA-resistant isolates” compared to “all isolates”	+69.5	+1.2	+43.1	+43.7	+56.2	+1.5	0.0	+1.2	
	“OXA-resistant isolates” compared to “OXA-susceptible isolates”	+100.0	+1.9	+62.0	+62.9	+80.7	+2.2	0.0	+1.7	
	“OXA-susceptible isolates” compared to “all isolates”	-30.5	-0.7	-18.9	-19.2	-24.5	-0.7	0.0	-0.5	
2014	All isolates, n=4989	27.9	2.6	31.2	30.3	34.5	1.2	0.0	0.3	
	OXA-resistant isolates, n=1409	100.0	3.9	71.8	71.5	91.6	2.2	0.1	0.8	
	OXA-susceptible isolates, n=3618	0.0	2.1	15.6	14.5	12.6	0.8	0.0	0.2	
	“OXA-resistant isolates” compared to “all isolates”	+72.1	+1.3	+40.6	+41.2	+57.1	+1.0	+0.1	+0.5	
	“OXA-resistant isolates” compared to “OXA-susceptible isolates”	+100.0	+1.8	+56.2	+57.0	+79.0	+1.4	+0.1	+0.6	
	“OXA-susceptible isolates” compared to “all isolates”	-27.9	-0.5	-15.6	-15.8	-21.9	-0.4	0.0	-0.1	
		Resistance rate and difference in resistance estimates, respectively (in %)								
		CTX	TZP	IPM	GEN	SXT	TGC	CIP	FOF	
2013	All isolates, n=8754	15.0	18.7	0.0	6.5	32.8	0.6	25.8	1.9	
	CTX-resistant isolates, n=1342	100.0	100.0	0.0	18.9	60.8	0.6	70.2	2.6	
	CTX-susceptible isolates, n=7469	0.0	4.7	0.0	4.4	28.0	0.6	18.0	1.7	
	“CTX-resistant isolates” compared to “all isolates”	+85.0	+81.3	0.0	+12.4	+28.0	0.0	+44.4	+0.7	
	“CTX-resistant isolates” compared to “CTX-susceptible isolates”	+100.0	+95.3	0.0	+14.5	+32.8	0.0	+52.2	+0.9	
	“CTX-susceptible isolates” compared to “all isolates”	-15.0	-14.0	0.0	-2.1	-4.8	0.0	-7.8	-0.2	
2014	All isolates, n=10736	15.6	10.0	0.0	6.9	32.5	0.5	25.5	1.5	
	CTX-resistant isolates, n=1726	100.0	39.7	0.1	20.0	60.6	0.4	68.9	2.7	
	CTX-susceptible isolates, n=9113	0.0	4.5	0.0	4.2	27.3	0.5	17.4	1.3	
	“CTX-resistant isolates” compared to “all isolates”	+84.4	+29.7	+0.1	+13.1	+28.1	-0.1	+43.4	+1.2	
	“CTX-resistant isolates” compared to “CTX-susceptible isolates”	+100.0	+35.2	+0.1	+15.8	+33.3	-0.1	+51.5	+1.4	
	“CTX-susceptible isolates” compared to “all isolates”	-15.6	-5.5	0.0	-2.7	-5.2	0.0	-8.1	-0.2	

S6 Table continued.

<i>K. pneumoniae</i>		Resistance rate and difference in resistance estimates, respectively (in %)							
		CTX	TZP	IPM	GEN	SXT	TGC	CIP	FOF
2013	All isolates, n=1644	16.8	20.8	0.1	5.8	16.9	10.8	14.8	18.8
	CTX-resistant isolates, n=283	100.0	100.0	0.4	27.6	66.0	21.9	68.9	19.9
	CTX-susceptible isolates, n=1373	0.0	4.6	0.0	1.5	7.1	8.6	3.7	18.7
	“CTX-resistant isolates” compared to “all isolates”	+83.2	+79.2	+0.3	+21.8	+49.1	+11.1	+54.1	+1.1
	“CTX-resistant isolates” compared to “CTX-susceptible isolates”	+100.0	+95.4	+0.4	+26.1	+58.9	+13.3	+65.2	+1.2
	“CTX-susceptible isolates” compared to “all isolates”	-16.8	-16.2	-0.1	-4.3	-9.8	-2.2	-11.1	-0.1
2014	All isolates, n=1956	12.2	12.6	0.0	5.4	14.3	11.6	10.8	21.9
	CTX-resistant isolates, n=243	100.0	70.4	0.0	37.7	63.8	15.8	54.1	21.2
	CTX-susceptible isolates, n=1718	0.0	4.4	0.0	0.8	7.3	10.9	4.9	22.2
	“CTX-resistant isolates” compared to “all isolates”	+87.8	+57.8	0.0	+32.3	+49.5	+4.2	+43.3	-0.7
	“CTX-resistant isolates” compared to “CTX-susceptible isolates”	+100.0	+66.0	0.0	+36.9	+56.5	+4.9	+49.2	-1.0
	“CTX-susceptible isolates” compared to “all isolates”	-12.2	-8.2	0.0	-4.6	-7.0	-0.7	-5.9	+0.3